

YOR920030573US1
Amendment dated 12/20/2007

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The following is a complete listing of all claims in the application, with an indication of the status of each:

Listing of claims:

- 1 1. (currently amended) A method for executing an integration activity chain
2 for on demand business process integration comprising the steps of:
3 receiving the integration activity's properties in a data string for
4 execution from an event bus;
5 parsing events from ~~a~~ the received data string, said data string
6 optionally including an annotation specifying an action for integration;
7 controlling integration activity execution through consulting an on
8 demand business collaboration ontology and an access control utility;
9 coordinating with an exception handler when there is a business
10 exception which comes from integrated applications; and
11 performing integration activity execution by invoking an adaptation
12 ~~layers~~ layer implementation,
13 wherein if said action is a new integration activity said adaptation
14 layer implementation is responsive to said action specified by said annotation.

- 1 2. (currently amended) The method for executing an integration activity
2 chain for on demand business process integration recited in claim 1, wherein
3 the integration activity chain represents a set of integration activities in a pre-
4 defined manner.

- 1 3. (currently amended) The method for executing an integration activity
2 chain for on demand business process integration recited in claim 2, wherein
3 the pre-defined manner is represented in ~~to a work flow document and the said~~

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4 ~~ad-hoc manner is the non-deterministic activities triggered by manually~~
5 ~~operation or by program code automatically in multi-step manner.~~

1 4. (currently amended) The method for executing an integration activity
2 chain for on demand business process integration recited in claim 1, wherein
3 the integration activity chain represents a set of non-deterministic activities in
4 ~~an ad-hoc manner~~ triggered by manual operation or by program code
5 automatically in a multi-step manner.

1 5. (currently amended) The method for executing an integration activity
2 chain for on demand business process integration recited in claim 1, wherein
3 the event bus comprises one of an ~~a~~ XML string, plain text, binary data
4 stream, or graphic user interface events.

1 6. (currently amended) The method for executing an integration activity
2 chain for on demand business process integration recited in claim 1, wherein
3 said integration activity's properties ~~are~~ one or more of the integration
4 activity's name, description ~~on~~ of the integration activity, scheduled execution
5 script, pre-integration activity, post-integration activity, and execution
6 channel.

1 7. (currently amended) The method for executing an integration activity
2 chain for on demand business process integration recited in claim 1, wherein
3 said adaptation layers include adaptation components associated with business
4 applications.

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1 8. (currently amended) The method for executing an integration activity
2 chain for on demand business process integration recited in claim 7, wherein
3 said business applications include Reliable File Transfer Protocol (RFTP).

1 9. (currently amended) The method for executing an integration activity
2 chain for on demand business process integration recited in claim 7, wherein
3 said business applications include File Transfer Protocol (FTP).

1 10. (withdrawn) A method for managing integration activity chain for on
2 demand business process integration comprising the steps of:
3 storing integration activity annotation into integration activity
4 ontology;
5 retrieving integration activity annotation from integration activity
6 ontology;
7 adding new integration activity annotations without changing the
8 existing integration activities' behaviors; and
9 removing existing integration activity annotations without changing
10 the other integration activities' behaviors.

1 11. (withdrawn) The method for managing integration activity chain for on
2 demand business process integration recited in claim 10, wherein the
3 integration activity annotation includes links to different applications,
4 condition relationship, activity name, security handler, source, destination,
5 and linkage between integration activities.

1 12. (withdrawn) A method for integrating integration activity chain with
2 existing business applications for on demand business process integration
3 comprising the steps of:

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4 providing a uniform interface for connecting legacy business
5 applications with the existing business collaboration solutions; and
6 integrating an access control utility that conducts security checking.

1 13. (withdrawn) The method for integrating integration activity chain with
2 existing business applications for on demand business process integration
3 recited in claim 12, wherein said uniform interface is represented by Web
4 services definition language (WSDL).

1 14. (withdrawn) The method for integrating integration activity chain with
2 existing business applications for on demand business process integration
3 recited in claim 12, wherein said access control utility checks the
4 authorization of all access to the resources or applications integrated and
5 managed through an integration activity manager ensuring all access are
6 authorized.

1 15. (withdrawn) A signal-bearing medium tangibly embodying a program of
2 machine-readable instructions executable by a digital processing apparatus to
3 perform a method of managing a set of integration activities, said method
4 comprising the steps of:
5 executing integration activity chain for on demand business process
6 integration;
7 managing integration activity chain for on demand business process
8 integration; and
9 integrating integration activity chain with existing business
10 applications for on demand business process integration.

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1 16. (withdrawn) A data processing system for managing integration activity
2 chain for on demand business process integration comprising:
3 a database storing integration activity annotation into integration
4 activity ontology; and
5 an action manager retrieving integration activity annotation from
6 integration activity ontology, adding new integration activity annotations
7 without changing the existing integration activities' behaviors, and removing
8 existing integration activity annotations without changing the other
9 integration activities' behaviors.

1 17. (withdrawn) The data processing system for managing integration
2 activity chain for on demand business process integration recited in claim 16,
3 wherein the integration activity annotation includes links to different
4 applications, condition relationship, activity name, security handler, source,
5 destination, and linkage between integration activities.

1 18. (withdrawn) The data processing system for managing integration
2 activity chain for on demand business process integration recited in claim 16,
3 further comprising a uniform interface connecting legacy business
4 applications with existing business collaboration solutions, and wherein said
5 action manager includes an access control utility that conducts security
6 checking.

1 19. (withdrawn) The data processing system for integrating integration
2 activity chain for on demand business process integration recited in claim 16,
3 wherein said uniform interface is represented by Web services definition
4 language (WSDL).

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- 1 20. (withdrawn) The data processing system for integrating integration
- 2 activity chain for on demand business process integration recited in claim 16,
- 3 wherein said access control utility checks the authorization of all access to the
- 4 resources or applications integrated and managed through an integration
- 5 activity manager ensuring all access are authorized.